

Technology Deployment Initiatives and Partnership Program

Request for Funding

FY 2002

FHWA Strategic Goal Area: Program Delivery

Project Title: GIS/GPS Pilot

Problem Statement: GIS has been identified as one of the top priority items to develop among the three FLH divisions. The customer land management agencies have active GIS and we traditionally collect and add data to the transportation layers. The regulatory agencies also have GIS for their responsibilities. WFLHD has actively progressed into using GPS for positioning and navigation in project development. WFLHD can leverage the land resource information compiled by partner and resource agencies by providing real-time position and navigation data in project documentation.

Proposal: Develop a pilot GIS/GPS project to share information between WFLHD and resource agencies. Streamline the location identification in the field.

Benefits: We can provide terrain modeling and analysis, location identification, navigating to features and data logging. By combining CADD and GIS technologies we can view resource area during geometric design and leverage electronic design produced by WFLHD. We can also move to modeling in 3D and view from different aspects with quicker turnaround.

Resources/Cost: \$30,000 for equipment and vendor support

Duration: one year

Organization/Method: Work with the FLH wide team and through a WFLHD cross functional team purchase the hardware and software necessary to pilot the coordination of GIS and GPS on one project.

Submitter:

Agency/Division: Western Federal Lands Highway Division
Name: Cal Frobige
Phone: 360-619-7648
Date: August 7, 2002

Champion:

Name: Ted Wood
Phone: 360-619-7715